



BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE INSULATION TYPE D

BLS Polymers Ltd. introduces another sophisticated compound for insulation of Cables & Wires - BLS TYPE D for insulation of flexible cables, wires and cords with a maximum operating temperature of 70°C. This compound meets the stringent quality requirements for cables, wires and cords used for insulation of metal conductors and for wire harness with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Density	gm / cc	ASTMD 792	1.45
Hardness	Shore A	ASTMD 2240	80
Tensile Strength	Kg /cm ²	ASTMD 638	110
Elongation at Break	%	ASTMD 638	350
Ageing at 70 ± 2 ₀ C for 7 days variation			
Tensile Strength	%	ASTM D 638	± 20
Elongation at Break	%	ASTM D 638	± 20
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 80°C	mg/cm ²	BLS method	1.7
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		80
Volume Resistivity at 23°C ohm-cm		ASTMD 257	≥ 7 X 10 ¹³
Volume Resistivity at 70°C	ohm-cm	ASTMD 257	≥ 1 X 10 ¹¹



BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE SHEATHING TYPE ST 3

BLS Polymers Ltd. introduces another sophisticated compound for Sheathing of Wire & Cables - BLS TYPE ST 3 for general purpose sheathing of flexible cables, wires and cords and is RoHS compliant. This compound meets the stringent quality requirements for general purpose sheathing of flexible cables, wires and cords with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Density	gm / cc	ASTMD 792	1.50
Hardness	Shore A	ASTMD 2240	80
Tensile Strength	Kg /cm ²	ASTMD 638	110
Elongation at Break	%	ASTMD 638	350
Ageing at 80 ± 2 ₀ C for 7 days variation			
Tensile Strength	%	ASTMD 638	±20
Elongation at Break	%	ASTMD 638	±20
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 80°C for 7 days	%	BLS method	1.7
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		70



BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE INSULATION TYPE D FRLS

BLS Polymers Ltd. introduces another sophisticated compound for insulation of Cables & Wires - BLS TYPE D FRLS for insulation of flexible cables, wires and cords with a maximum operating temperature of 70°C. This compound meets the stringent quality requirements for cables, wires and cords used for insulation of metal conductors and for wire harness with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Density	gm / cc	ASTMD 792	1.53
Hardness	Shore A	ASTMD 2240	83
Tensile Strength	Kg /cm ²	ASTMD 638	90
Elongation at Break	%	ASTMD 638	340
Ageing at 70 ± 2 ₀ C for 7 days variation			
Tensile Strength	%	ASTM D 638	± 20
Elongation at Break	%	ASTM D 638	± 20
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 80°C	%	BLS method	1.5
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		80
Volume Resistivity at 23°C ohm-cm		ASTMD 257	> 7 X 10 ¹³
Volume Resistivity at 70°C ohm-cm		ASTMD 257	≥ 1 X 10 ¹¹
Limiting Oxygen Index	%	ASTM D 2863	— 32
Smoke Density Rating		ASTM D 2843	57



BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE SHEATHING TYPE ST 3 FRLS

BLS Polymers Ltd. introduces another sophisticated compound for Sheathing of Wire & Cables - BLS TYPE ST 3 FRLS for general purpose sheathing of flexible cables, wires and cords. This compound meets the stringent quality requirements for general purpose sheathing of flexible cables, wires and cords with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Density	gm / cc	ASTMD 792	1.54
Hardness	Shore A	ASTMD 2240	83
Tensile Strength	Kg /cm ²	ASTMD 638	100
Elongation at Break	%	ASTMD 638	310
Ageing at 80 ± 2 ₀ C for 7 days variation			
Tensile Strength	%	ASTM D 638	± 20
Elongation at Break	%	ASTM D 638	± 20
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 80°C/ 7days %		BLS method	1.6
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		80
Limiting Oxygen Index	%	ASTM D 2863	32
Smoke Density Rating		ASTM D 2843	57



BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE SHEATHING COMPOUND TYPE 6

BLS Polymers Ltd. introduces another sophisticated compound for Sheathing of Wire & Cables - BLS GRADE TYPE 6 for transparent sheathing of highly flexible cables, wires and cords and is RoHS compliant. This compound meets the stringent quality requirements for general purpose sheathing of flexible cables, wires and cords with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as ASTM, EN and BS standards.

TYPICAL PROPERTIES:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Density	gm / cc	ASTMD 792	1.35
Hardness	Shore A	ASTMD 2240	70
Tensile Strength	Kg /cm ²	ASTMD 638	10
Elongation at Break	%	ASTMD 638	360
Ageing at 80 ± 2 ₀ C for 7 days variation			
Tensile Strength	%	ASTMD 638	± 20
Elongation at Break	%	ASTMD 638	± 20
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 80°C/7days %		BLS method	1.8
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		60



BLS POLYMERS LIMITED

PVC COMPOUND FOR WIRE & CABLE SHEATHING COMPOUND TYPE 9

BLS Polymers Ltd. introduces another sophisticated compound for Outer Sheathing of Wire & Cables - BLS GRADE TYPE 9 (ST 2) for sheathing of low voltage power cables, and can be supplied as RoHS compliant too against specific request. This compound meets the stringent quality requirements for general purpose outer sheathing of low voltage power cables with a maximum operating temperature of 70°C. It meets the requirements of raw material for manufacturing of cables as EN 60502 -1 and BS 7655 standards.

TYPICAL PROPERTIES:

PROPERTY VALUE	UNIT	TEST METHOD	TYPICAL
Density	gm / cc	ASTMD 792	1.50
Hardness	Shore A	ASTMD 2240	93
Tensile Strength	Kg /cm ²	ASTMD 638	16
Elongation at Break	%	ASTMD 638	300
Ageing at 100 ± 2 ₀ C for 7 days variation			
Tensile Strength	%	ASTM D 638	± 15
Elongation at Break	%	ASTM D 638	± 15
Brittleness Temperature	°C	ASTMD 746	-15°C
Loss of mass at 100°C/7days %		BLS method	1.5
Water absorption	%	BLS method	0.24 max
Thermal Stability	minutes		105